

TABLE 29

Companies with domestic R&D paid for and performed by the company in health or medical, defense, and agricultural application areas, by industry and company size: 2015

(Millions of U.S. dollars)

Industry and company size	NAICS code	Domestic R&D		Health or medical		Defense		Agriculture	
		Companies (number) ^a	Amount	Companies (number) ^b	Amount	Companies (number) ^b	Amount	Companies (number) ^b	Amount
All industries	21-23, 31-33, 42-81	48,789	296,677	10,533	i 71,474	4,926	i 9,857	2,393	i 6,040
Manufacturing industries	31-33	24,944	195,792	6,081	i 64,374	2,919	i 7,861	1,763	i 5,580
Food	311	1,307	4,644	197	i 164	0	0	309	i 1,883
Chemicals	325	2,689	58,769	1,163	i 48,118	134	i 60	266	i 1,983
Basic chemicals	3251	307	2,574	85	i 71	11	10	57	i 104
Pharmaceuticals and medicines	3254	728	50,242	711	i 47,828	3	20	92	i 459
Other chemicals	other 325	1,656	5,952	367	i 219	120	i 30	117	i 1,420
Plastics and rubber products	326	1,329	2,390	516	i 776	144	i 26	373	i 40
Nonmetallic mineral products	327	479	1,239	82	i 39	90	i 41	3	i 7
Fabricated metal products	332	3,772	2,039	839	i 142	876	i 111	271	i 41
Machinery	333	4,041	12,544	274	i 81	237	i 232	250	i 1,178
Agricultural implements	33311	264	1,516	D	*	D	*	31	i 1,025
Semiconductor machinery	333242	52	2,917	4	6	27	i 66	D	92
Engine, turbines, and power transmission equipment	3336	323	2,381	3	3	6	5	5	i 13
Other machinery	other 333	3,404	5,731	D	72	D	161	D	48
Computer and electronic products	334	2,977	63,765	817	i 4,180	789	i 2,633	122	i 293
Semiconductors and other electronic components	3344	906	28,597	241	i 779	329	i 808	11	i 11
Other electronic products	other 334	2,071	35,168	576	i 3,401	460	i 1,825	111	i 281
Electrical equipment, appliances, and components	335	949	3,852	173	i 108	116	i 141	42	i 38
Transportation equipment	336	1,689	29,224	55	i 996	162	i 4,539	30	23
Automobiles, bodies, trailers, and parts	3361-63	1,037	16,636	15	308	14	19	24	11
Other transportation	other 336	652	12,588	41	i 688	148	i 4,519	6	12
Miscellaneous manufacturing	339	2,332	13,365	1,224	i 9,672	15	39	6	i 14
Other manufacturing	312-16, 321-24, 331, 337	3,388	3,962	741	i 98	355	i 40	89	i 80
Nonmanufacturing industries	21-23, 42-81	23,846	100,885	4,452	i 7,099	2,007	i 1,996	630	i 461
Mining, extraction, and support activities	21	321	3,393	D	3	D	*	D	1
Utilities	22	72	446	D	*	0	0	D	2
Wholesale trade	42	5,668	1,684	i 679	i 84	285	i 131	238	i 39
Information	51	3,309	64,578	437	i 2,186	188	i 896	33	59
Publishing	511	1,385	32,598	D	1,916	146	i 771	16	i 29
Telecommunications	517	445	3,537	D	1	14	42	D	*
Data processing, hosting, and related services	518	1,147	9,314	143	i 269	29	83	D	D
Other information	other 51	331	19,129	0	0	0	0	D	D
Professional, scientific, and technical services	54	12,423	21,915	2,968	i 4,353	1,467	i 938	341	i 322
Architectural, engineering, and related services	5413	2,515	2,247	i 425	i 42	405	i 63	63	i 21
Scientific research and development services	5417	1,871	3,896	1,391	i 2,505	580	i 321	261	i 270

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Biotechnology research and development	541711	502	1,536	i	541	i	1,380	i	51	i	28	i	47	i	123	i
Other scientific research and development	other 5417	1,369	2,360		851	i	1,125	i	529	i	293	i	214	i	147	i
Other professional, scientific, and technical services	other 54	8,037	15,771		1,151	i	1,806		482	i	554	i	16		31	
Health care services	621-23	669	460		311	i	411		D		1		0		0	
Other nonmanufacturing	23, 44-45, 48-49, 52-53, 55-56, 624, 71-72, 81	1,387	8,409		54	i	63		D		29		14		38	
All companies (number of domestic employees)	-	48,789	296,677		10,533	i	71,474		4,926	i	9,857		2,393	i	6,040	
Micro companies ^c																
5-9	-	10,152	1,972	i	1,978	i	631	i	964	i	71	i	312	i	62	i
Small companies																
10-19	-	11,768	4,434	i	2,650	i	1,442	i	1,166	i	128	i	519	i	100	i
20-49	-	12,421	7,933	i	2,607	i	2,735		1,291	i	395	i	535	i	214	i
Medium companies																
50-99	-	6,246	8,803		1,463	i	2,820		651	i	315		330	i	205	i
100-249	-	4,119	11,037		932	i	3,609		413	i	340		333	i	224	i
Large companies																
250-499	-	1,760	11,368		377	i	2,895		169	i	176		148	i	205	
500-999	-	912	13,194		209		2,956		97		330		72	i	178	
1,000-4,999	-	963	48,264		202		10,240		112		1,299	i	97	i	508	
5,000-9,999	-	199	34,660		48		8,016		26		921		24	i	345	
10,000-24,999	-	149	48,450		39		22,108		23		1,959		14	i	1,952	
25,000 or more	-	100	106,562		28		14,022		15		3,922		10	i	2,047	

* = amount < \$500,000; D = data withheld to avoid disclosing operations of individual companies; i = > 50% of the estimate is a combination of imputation and reweighting to account for nonresponse.

NAICS = 2012 North American Industry Classification System.

^a Statistics for the number of companies are based only on companies in the United States that reported to the survey. These statistics do not include an adjustment to the weight to account for unit nonresponse. A company having multiple reporting parts for data collection may contribute to the statistics for multiple industries, so the detail may not add to the total for the number of companies.

^b Statistics for the number of companies are based only on companies in the United States that reported to the survey. These statistics do not include an adjustment to the weight to account for unit nonresponse. These company count estimates reflect a new imputation process implemented for survey year 2014. This change has affected the comparability of these company count estimates with estimates published for years prior to 2014. A company having multiple reporting parts for data collection may contribute to the statistics for multiple industries, so the detail may not add to the total for the number of companies.

^c Business R&D and Innovation Survey does not include companies with fewer than five domestic employees.

Note(s)

Detail may not add to total because of rounding. Industry classification is based on the dominant business code for domestic R&D performance, where available. For companies that did not report business codes, the classification used for sampling was assigned. Statistics are representative of companies located in the United States that performed or funded R&D. Some R&D may be reported in more than one application area. Some R&D is not classified in any application area.

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National Science Foundation, National Center for Science and Engineering Statistics, and U.S. Census Bureau, Business R&D and Innovation Survey, 2015.